

# Legal And Ethical Issues Related To The Use Of Computers.

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*Some  
History*



# Where It All Started

- The Internet was created in the late 1960s
- It was called the ARPANET
- Funded by the U.S. Department of Defence
- Used by Universities for research purposes



# Where It All Started Contd.

- The ARPANET became public on 6, August 1991
- It was renamed to the World Wide Web





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# The Computer Code of Ethics

Invented in the 1970s by Walter Maner and Association for Computing Machinery.

## Thou shalt not...

1. Use a computer to harm other people.
2. Interfere with other people's computer work.
3. Snoop around in other people's computer files.
4. Use a computer to steal.
5. Use a computer to bear false witness.
6. Copy or use proprietary software for which you have not paid.
7. Use other people's computer resources without authorization or proper compensation.
8. Appropriate other people's intellectual output.

# The First Virus

Creeper virus: spread from BBN Technologies' DEC PDP-10 through Arpanet, displaying the message: "I'm the creeper, catch me if you can!" and messing with people's printers. Made by Bob Thomas.



# The First Virus Contd.

- Written in 1971
- One difference between the creeper virus and the majority of viruses then was that it deleted older versions of itself as it replicated.





# First Spyware and Messenger

The first recorded use of the term spyware occurred on October 16, 1995 in a Usenet post that poked fun at Microsoft's business model.



# The Future Legal And Ethical Issues



# Driverless Vehicles Issues

- Driverless cars misreading harmless puddles of water as potholes and slowing down for no reason
- Heavy rainfall interferes with sensors, and snow on the ground makes it hard for vehicles to read lines on the road.
- Liability issues - who likely have some ability to take over vehicles in hairy situations?

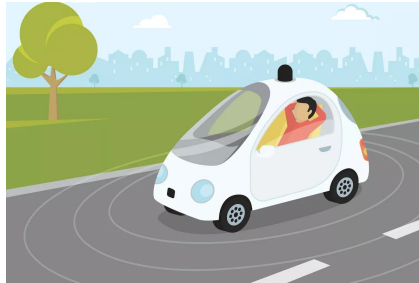


# The Future of Driverless Cars



## Positive Effects

- Able to view at 360 degrees.
- Lower crash rate
- There is no way the car can become distracted
- Self parking
- Car insurance can become extinct



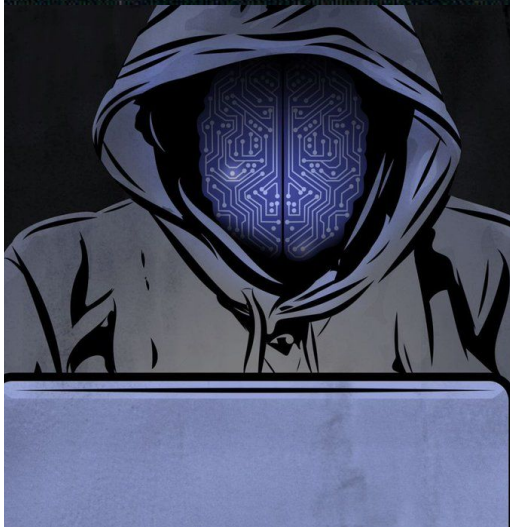
## Negative Effects

- Fewer Job opportunities
- Computer can confuse algorithms
- The cost of implementing this technology
- Injury lawyers may lose their jobs if the new tech is truly safer.





# Impact and Solution on a global scale





# Impact and Solution on a global scale

Around 3 billion people around the world are now using the internet, which make it very hard to control the issue legal or ethical with this many internet users.



# Impact and Solution on a global scale

## EXAMPLE

### ISSUE:

- CMOS Bank was hacked loosing \$14.1 million

### WHEN:

- August 11, 2018

### WHERE:

- India.

### SOLUTION:

- COSMOS bank requested their money back and changed their security.





# Local Impact

# Examples of Local Ethical and Legal Issue

- Cyber Bullying
- Personal Problems
- Identity Theft
- Other types of Cyber Crime





# Cyber Bullying

## Where Cyberbullying Is Most Prevalent

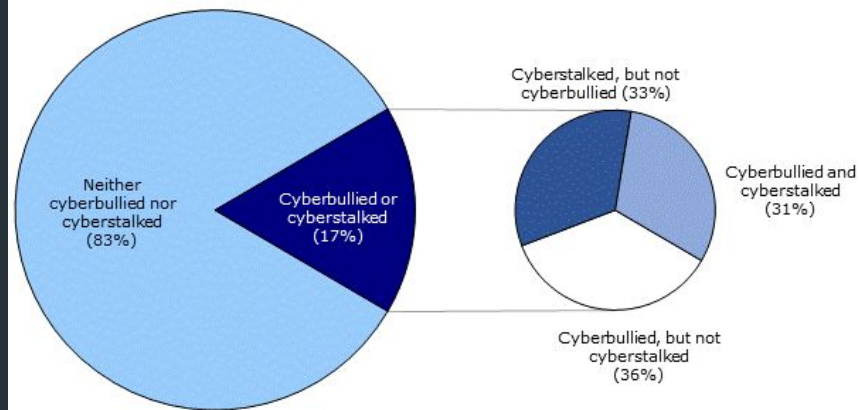
Share of parents who say their child has experienced cyberbullying (2018)



CC BY ND n=20,793 adults in 28 countries. Selected countries shown.  
@StatistaCharts Source: Ipsos

statista

## Percentage of Internet users aged 15 to 29 who were cyberbullied and/or cyberstalked in the last 5 years, 2014



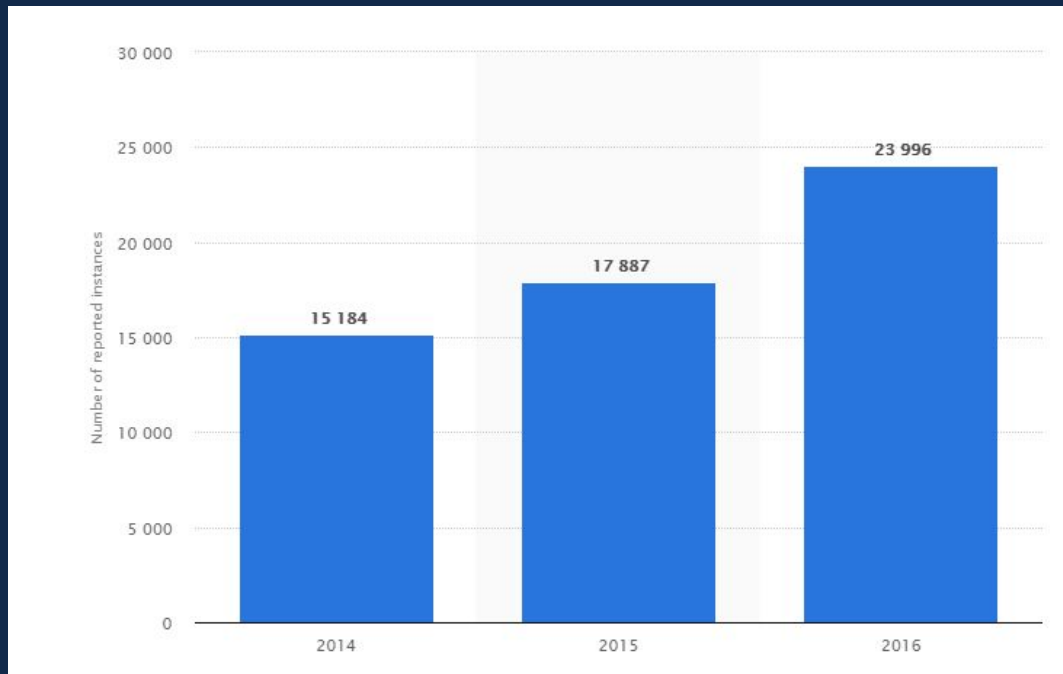
# Personal Problems

- Health Problems
- Relationship Problems
- Educational Problems



# Identity Theft and Other types of Cyber Crime

- Hacking
- Data Thefts
- Spreading Viruses or other types of cyber crime



# The makings of a **cybercrime**

An individual opens an email that appears to be from a trusted source and then clicks on a link or opens an attachment that installs malware on the computer.

Malware allows a criminal to obtain login information and thereby gain access to an individual's financial accounts.

The bad guy can then log in and manipulate accounts to steal money.





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